

Done:

1. Voice project:

This week, the system can accept voice input and find a corresponding visualization graph through a simple dictionary for displaying statistical information of specified data. We also discuss the interactions that you want to implement about the exploration of geographic data. For example, show me the coasts or borders of USA, etc. Besides, we want to analyze the data around the coastline of USA and provide some basic interactions.

2. Paper reading:

《Visually-Enabled Active Deep Learning for (Geo) Text and Image Classification: A Review》对具有地理位置标签的图像的分类方法的 review。重点关注了结合视觉分析和/或深度学习的方法。相关工作分为五类：active learning, visual analytics, active learning with visual analytics, active deep learning, plus GIScience and Remote Sensing (RS) using active learning and active deep learning. 这篇文章中的技术可能可以应用于 voice project 中对于地理信息语义的归类中。

延伸文章：

大量数据的比较方法：《Visualization techniques for mining large databases: A comparison.》

基于建立算法与人之间关系的交互设计的方法：《What you see is what you can change:

Human-centered machine learning by interactive visualization》

《Geovisual analytics and the science of interaction: an empirical interaction study》给予交互原语完成复杂的分析任务的评估文章，发现了因为目标的复杂性越来越高，对接口的依赖性也越来越高。组合不同的原语策略非常关键等。

| project       | This week       | DDL |
|---------------|-----------------|-----|
| Voice project | System, discuss | 9   |
| Paper reading |                 |     |

Next week:

大屏设计与实现讨论

Voice project 的字典设计